

J-29-09

O-1440 10)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>XCI- 227</b>	SERIAL NO. <b>10/646,139</b>
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>PAUL A. NYSEN</b>	GROUP
		FILING DATE <b>08/20/03</b>	

## U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPN
VI 4 7 3 9 3 2 8	4/19/88	KOELLE ET AL	342/44		7/14/86
VI 4 8 8 8 5 9 1	12/19/89	LANDT ET AL	342/44		10/6/88
VI 4 0 5 9 8 3 1	11/22/77	EPSTEIN	343/6.8R		10/6/75
VI 4 4 8 4 1 6 0	11/20/84	RIVA	333/19S		3/8/83
VI 4 6 0 4 6 2 3	8/15/86	SKEIE	343/6.8R		6/30/83
VI 4 6 0 5 9 2 9	8/12/86	SKEIE	343/6.8R		6/30/83
VI 4 6 2 0 1 9 1	10/28/86	SKEIE	342/51		6/30/83
VI 4 6 2 3 8 9 0	11/18/86	NYSEN	342/44		6/30/83
VI 4 6 2 5 2 0 7	11/25/86	SKEIE	342/51		6/30/83
VI 4 6 2 5 2 0 8	11/25/86	SKEIE ET AL	342/51		6/30/83
VI 4 7 0 3 3 2 7	10/27/87	ROSSETTI ET AL	342/44		10/31/87

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL YES
AI					
AI-1					
AI-2					
AO					
AP					

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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VT	

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O-1440 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. <b>XCI- 227</b>	SHS# 2 of 3
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT <b>PAUL A. NYSEN</b>	SERIAL NO. <b>10/646,139</b>
(Use several sheets if necessary)				FILING DATE <b>08/20/03</b>	GROUP

## U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING
4 7 2 4 4 4 3	2/9/88	NYSEN	343/700MS		10/31/85
4 7 2 5 8 4 1	2/16/88	NYSEN ET AL	342/44		6/30/83
4 7 3 4 6 9 8	3/29/88	NYSEN ET AL	342/44		10/31/88
4 7 3 7 7 8 9	11/12/88	NYSEN	342/51		12/2/88
4 7 3 7 7 9 0	4/12/88	SKEIE ET AL	342/51		3/3/86
4 9 5 1 0 5 7	8/21/90	NAGEL	342/51		11/13/88
5 0 9 5 2 4 0	3/10/92	NYSEN ET AL	310/313R		11/13/88
5 1 8 2 5 7 0	1/26/93	NYSEN ET AL	343/795		12/4/93
3 2 7 3 1 4 6	9/13/66	HURWITZ	342/51		8/7/66
3 7 0 6 0 9 4	12/14/72	COLE ET AL	343/6.55		2/26/73
3 7 5 5 8 0 3	8/28/73	COLE ET AL	340/280		3/31/73

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL.
AL					YES
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MR	
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DATE CONSIDERED

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1-1440 U. S. DEPARTMENT OF COMMERCE  
1) PATENT AND TRADEMARK OFFICE  
  
**NATION DISCLOSURE STATEMENT**  
**BY APPLICANT**  
*(Use several sheets if necessary)*

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APPLICANT

PAUL A. NYSEN

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Sheet 3 of 3  
SERIAL NO. 10/646,139

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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-1440	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
ACTION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	

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XCI - 227

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SERIAL NO.

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APPLICANT

PAUL A NYSEN

FILING DATE

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U.S. PATENT DOCUMENTS			
DOCUMENT NUMBER	DATE	NAME	CLASS SUB
5 0 1 9 8 1 5	5/28/91	LEMELSON ET AL	346/933
4 2 8 8 3 4 3	7/8/91	LOUDERBACK	252/408
4 2 8 8 3 4 9	9/3/91	LEMELSON ET AL	235/435
3 2 7 3 1 4 6	9/13/91	H. HIRWITZ	342/S1
5 1 4 4 3 1 3	2/1/92	KIRKNES	342/44
3 9 8 1 0 1 1	9/14/91	BELL, III	341/650
4 2 6 3 5 9 5 4	2/21/81	VOGEL	343/655
4 1 4 3 3 4 0 3	6/1/79	HUNSINGER	333/151
4 1 7 4 1 9 6 4	5/6/80	NORD ET AL	333/151
3 8 1 0 2 5 7 5	7/7/74	JONES ET AL	333/30R
4 2 6 7 5 3 4	5/12/81	TANSKI	333/153
			5/23/80

FOREIGN PATENT DOCUMENTS			
DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBCLASS
2 1 8 9 7 3 8	9/17/87	AUSTRALIA	G07C 005/00
5 6 6 1 1 8 1	1/25/80	AUSTRALIA	G01K 11/22
0 0 0 0 4 3	2/6/90	AUSTRALIA	H04B 1/59
9 0 0 4 7 0	11/3/89	AUSTRALIA	H03H 9/145
0 8 9 6 1 7 3 1 6	3/16/83	GERMANY	H03H 9/145

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GURUK, WILLIAM; OPTICAL PROBING MEASUREMENTS OF SURFACE WAVE GENERATION AND REFLECTION IN INTERDIGITAL TRANSDUCERS ON LiNbO<sub>3</sub>; 11/80; pp. 341-354

CAMBIAGGIO, EDMOND; SAW REFLECTION FROM CONDUCTING STRIPS ON LiNbO<sub>3</sub>; 9/79; pp. 340-344

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9/10/04

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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(use several sheets if necessary)

ATTY. DOCKET NO. XCI - 227  
APPLICANT PAUL A. NYSEN  
FILING DATE 08/20/03  
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Sheet 2 of 9  
Serial No. 10/646,139

U.S. PATENT DOCUMENTS			
DOCUMENT NUMBER	DATE	NAME	CLASS SUBCLASS
4 3 0 7 3 5 6	12/22/81	ARAI	333/194
4 0 9 6 4 7 2	6/20/78	EPSTEIN ET AL	343/6.55
4 0 2 8 6 4 9	6/7/77	KOMATSU ET AL	333/72
4 2 6 3 5 7 1	4/21/81	KINOSHITA ET AL	333/194
4 1 6 6 2 5 8	8/23/79	TSENG	333/195
4 4 1 0 8 2 3	10/18/83	MILLER ET AL	310/313D
3 8 4 5 4 2 0	10/29/74	HOLLAND ET AL	333/30R
3 9 3 1 5 9 7	1/6/76	CHO ET AL	333/30R
1 0 1 7 5 6 4	8/12/80	AUTRAN	333/152
3 8 0 1 9 3 5 4	4/2/74	MITCHELL	333/72
1 4 9 4 0 3 1	1/15/85	BARNES ET AL	310/313B

## FOREIGN PATENT DOCUMENTS

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1 0 0 2 4 8 5	11/13/80	JAPAN	H03H	9/145	<input checked="" type="checkbox"/>
1 5 3 8 1	11/23/81	JAPAN	H03H	9/145	<input checked="" type="checkbox"/>
1 2 2 2 1 5	9/25/81	JAPAN	H03H	9/145	<input checked="" type="checkbox"/>
4 0 0 1 8 4	10/3/84	AUSTRALIA	H04B	1/59	<input checked="" type="checkbox"/>
2 2 8 9 1 1	11/3/87	CANADA	G01S	9/145	<input checked="" type="checkbox"/>

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

- WILLIAMSON, R.C.; REFLECTIVE ARRAY MATCHED FILTER FOR A 16-PULSE RADAR BURST; pp. 1325-1329
- DEVRIES, ADRIAN; REFLECTION OF A SURFACE WAVE FROM THREE TYPES OF ID TRANSDUCERS; pp. 280-285
- IEEE TRANSACTIONS ON SONICS AND ULTRASONICS; 1/73; Vol. 34-20, No. 1, pp 42- 18- 204

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BY APPLICANT  
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APPLICANT	PAUL A NYSEN	of -	
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DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	TRANS. NO.
4 9 1 2 4 0 1	3/27/70	TYBURSKI ET AL (PARTIAL)	3412/42		11/3/83
4 1 0 6 0 2 0	8/21/78	JOHNSON	343/14		7/21/77
4 0 4 4 3 5 5	8/23/77	EDWARDSSON	343/14		2/13/76
2 8 1 1 0 1 2	12/17/57	H.C. KENDALL	342/42		2/20/52
3 7 8 5 2 8 4	4/15/75	MAJEAU	343/6555		10/12/73
3 5 2 1 2 3 0	1/21/70	M. JANCO ET AL	342/44		1/16/69
3 2 9 3 5 0	9/25/65	R.K. DAVIS ET AL	340/2534		10/4/63
4 3 8 5 2 4 6	6/14/83	WALTON	235/380		9/16/81
4 1 5 1 5 2 5	4/24/79	STRAUCH ET AL	343/6555		6/28/77
4 0 2 3 1 6 7	5/4/77	WAHLSTROM	343/6555		6/16/75
3 7 3 7 4 1 1	6/5/73	SAKURAGI ET AL	343/6555		8/17/70

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS. NO.
2 6 0 4 1 0 5	2/3/76	GERMANY	H03H	9/00	✓
2 5 2 1 2 9 0	5/13/75	GERMANY	H03H	9/145	✓
3 4 3 8 0 5 1	10/17/84	GERMANY	G01S	13/74	✓
1 2 2 8 9 1 2	11/3/87	CANADA	G01S	13/80	✓
1 4 1 3 4 9 6	12/29/72	AMERIGRANNA U.K.	H03B	5/32	✓

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- IR HAYDL, WILLIAM; SURFACE ACOUSTIC WAVE RESONATORS
- IS CROSS, PETER S; SURFACE ACOUSTIC WAVE RESONATORS
- IT STOCKER, HELMUT; AKUSTISCHE OBERFLACHENWELLEN-  
BAUELEMENTE, pp. 87-93

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10/646,139INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
PAUL A. NYSEN  
FILING DATE  
08/20/03  
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	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF FILMED
VI	4 3 3 9 7 5 3	7/13/82	MAWHINNEY	343	6555	12/19/79
VII	4 4 8 0 1 5 0	10/30/84	JONES ET AL	174	52FP	7/12/82
VIII	4 6 4 4 3 8 4	2/17/87	CHAROENSAKVIROCHANA	357	74	2/2/84
IX	4 3 3 0 7 9 0	5/18/82	BURNS	357	70	3/24/80
X	4 0 0 3 0 7 3	11/1/77	HELDA ET AL	357	70	10/10/72
XI	4 2 3 4 6 6 6	11/18/80	GURSKY	428	573	7/26/78
XII	4 7 0 6 1 0 5	1/10/81	MASUDA ET AL	357	74	6/13/86
XIII	4 1 6 1 2 4 1 8	6/19/87	MORAN ET AL	357	70	4/8/85
XIV	4 3 3 1 7 4 0	5/25/82	BURNS	428	572	4/14/80
XV	3 9 0 9 8 3 8	9/30/75	BEYERLEIN	357	70	8/1/73
XVI	4 1 4 1 7 1 2 2	2/27/79	ROGERS	65	36	7/18/77

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL.
45	84 7 9 1 0	6/26/85	REPUBLIC of SOUTH AFRICA	H04B	-	✓
46	1 2 9 8 3 8 1	2/26/69	ENGLAND	H04B	7/00	✓
47	84 7 9 0 9	6/26/85	REPUBLIC of SOUTH AFRICA	H04B	-	✓
48	2 1 6 5 4 1 1	10/9/84	ENGLAND	H03H	9/42	✓
49	2 1 6 5 4 2 5	10/7/84	ENGLAND	H03B	23/00	✓

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- VI WILLIAMSON, RICHARD, REFLECTION GRATING FILTERS;  
DEPARTMENT OF THE ARMY, pp. 381-442
- VII HOLLAND, MELVIN, A PRACTICAL SURFACE ACOUSTIC WAVE  
DEVICES; PROCEEDINGS OF THE IEEE Vol 62 NOS. 5/74, p 582-611
- VIII OMNIDIRECTIONAL ANTENNAS, BUTTERWORTH & CO,  
CHAPTER 2; pp 25-33

DATE CONSIDERED

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**INVENTION DISCLOSURE STATEMENT  
BY APPLICANT**  
*(Use several sheets if necessary)*

XCI - 2  
APPLICANT  
**PAUL A. NYSEN**  
FILING DATE  
**08/20/03**

SEARCH NO.  
**10/6446,139**

## U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED
VI 3 8 7 0 9 9 4	3/11/75	MCCORMICK ET AL	343/65R		12/22/72
VII 4 2 1 1 7 0 1	10/21/81	HENRIQUES	343/65IL		8/8/79
VIII 3 5 1 3 4 7 0	5/19/70	G. RABOW	342/51		7/7/58
IX 4 1 8 0 8 1 5	12/25/79	HILL	343/65R		1/20/78
X 2 6 6 5 4 8 0	5/23/72	FASSETT	343/751		1/23/69
XI 4 2 6 0 9 2 8	11/1/81	YANAGISAWA ET AL	343/700M		4/4/79
XII 4 1 2 3 3 1 2	12/21/83	WOLFSON	333/116		11/30/81
XIII 4 2 4 1 2 4 5	12/30/80	SANFORD	343/770		4/27/79
XIV 4 2 4 1 3 5 2	12/23/80	ALSPAUGH ET AL	343/700M		9/15/76
XV 4 2 2 0 4 0 2	3/16/82	BOWEN	343/700MS		7/7/80
XVI 4 5 8 9 4 2 2	5/20/86	JAMES ET AL	128/804		2/3/84

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL.
EP 0 5 1 3 0 0 7	11/13/90	EUROPE	H03H	9/02	✓
GB 2 1 4 2 4 1 5	1/16/85	ENGLAND	H04B	1/59	✓
DE 2 5 2 4 5 7 1	6/3/75	GERMANY (ABSTRACT) US 3984833	H04B	7/15	✓
GB 2 1 6 5 4 2 3	10/9/84	ENGLAND (ABSTRACT) US 4726841	H04B	1/59	✓
EP 2 8 1 3 7 5 3	3/30/78	GERMANY (ABSTRACT) US 4209783	G01S	9/56	✓

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- VI KEENAN, ROBERT; PRIVATE FIRM PROFITS FROM ELECTRONIC TOLLS; 5/96; WIRELESS SYSTEMS DESIGN; p. 24
- VII TECHNOLOGY A GENERATION AHEAD; AMTECH BROCHURE; pp 1-8, INSERT
- VIII ALLAN, ROGER; WIRELESS TRANSCEIVER WITH MICROMACHINED SENSOR DETECTS BOTH TIRE PRESSURE AND TEMPERATURE TECHNOLOGY ADVANCES; ELECTRONIC DESIGN; 12/16/96

5/9/96

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
*(Use several sheets if necessary)*

**XCI - 07**  
APPLICANT  
**PAUL A. NYSEN**

**10/646,139**

FILING DATE  
**08/20/03**

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**U.S. PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
W 4 5 5 4 5 4 9	11/19/85	FASSETT ET AL	343	7cams	9/19/83
W 4 4 7 7 8 1 3	10/16/84	WEISS	313	7cams	8/11/82
W 4 1 1 0 6 5 3	8/29/78	HARTEMANN	310	313	3/25/77
W 4 0 7 2 9 1 5	2/7/78	MITCHELL	333	72	9/14/76
W 3 8 6 9 6 8 2	3/4/75	HEEKS ET AL	332	11R	4/10/74
W 4 4 6 2 0 1 1	7/24/84	WARD	333	154	12/27/82
W 3 6 5 0 7 1 0	8/17/71	ADLER	333	72	8/12/68
W 3 9 3 6 7 7 4	2/3/76	MELLON ET AL	333	30R	3/14/74
W 4 1 5 5 0 5 6	5/15/79	CROSS ET AL	333	195	8/25/77
W 4 4 3 4 3 8 3	2/28/84	CHO ET AL	310	313R	1/10/83
W 3 8 9 8 5 9 2	8/5/75	SOLIE	333	72	5/8/74

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL YES
AL					
AT					
AN					
AU					
AP					

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

VI	WALKER, HAROLD; VPSK MODULATION TRANSMITS DIGITAL AUDIO AT 15 b/s/Hz; WIRELESS SYSTEMS DESIGN; 12/96, pp 38-42
V5	GROSSMANN, JOHN; THE WIRING OF THE GREEN; INC. TECHNOLOGY; 1996, No. 1, pp 55-58
VI	A SPREAD SPECTRUM CHIP FOR RIC APPLICATIONS; MICRON COMMUNICATIONS INC; MICROWAVE JOURNAL; 1/96, pp 144-148

DATE CONSIDERED

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INVENTION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

BUCKET NO.	XCI - 2	SERIAL NO.	10/646,139
APPLICANT	PAUL A NYSEN		
FILING DATE	08/20/03		
		GROUP	

## U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPN
4 2 4 2 6 7 1	12/30/80	PLOWS	340	572	12/8/88
4 9 3 1 6 6 4	6/5/90	KNOLL	307	10.3	3/2/83
3 9 6 1 2 9 0	6/1/76	MOORE	333	30R	2/7/75
4 6 9 9 6 3 2	10/13/87	TAKISHIMA	156	292	10/16/86
4 6 2 5 1 3 4	11/25/86	NITSUMA ET AL	333	150	6/27/83
4 1 4 2 2 0 5 2	12/20/83	CULLEN ET AL	333	151	10/30/81
4 3 4 5 3 9 1 2	7/4/84	HERRICK ET AL	310	348	3/24/86
4 9 3 3 5 3 8	6/12/70	GREER	310	313D	12/23/88
4 2 1 3 1 0 4	7/15/80	CULLEN ET AL	333	150	9/25/78
4 7 4 5 4 0 1	5/17/88	MONTEAN	340	572	9/9/85
5 0 2 7 1 0 7	6/25/91	MATSUNO ET AL	340	572	6/27/89

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLI YES
AL					
AM					
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- VII TUTTLE, JOHN; INTEGRATED CIRCUIT SIMPLIFIES DESIGN OF RFID SYSTEMS; MICROWAVES + RF; 10/06/96; pp 103-109
- VI GUO, YANPENG; IF TRANSCEIVER SERVES DIGITAL CELLULAR/PCS; MICROWAVES + RF; 10/96; pp 77-84
- VII ROBINSON, GAIL; IMPULSE RADAR MICROPOWERED FOR SENSOR APPS. EET; 1/20/97; pp 33-36

DATE CONSIDERED

8/9/04

U. S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**NATION DISCLOSURE STATEMENT  
BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.		8 Serial No. of
XCI - 227		SERIAL NO. <u>10/646139</u>
APPLICANT		
PAUL A. NYSEN		
FILING DATE		GROUP
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U.S. PATENT DOCUMENTS				DATE	NAME	CLASS SUBCLASS	SEARCHER	FILED IF APPR.
3	0	2	5	5/24	3/13/62	C. H. THIES	343/823	
3	8	4	5	4/9	10/24/74	MANWARREN ET AL	343/823	5/6/59
4	1	3	8	6/8	7/14/77	DAVIDSON ET AL	343/821	5/3/73
3	6	8	4	9/29	9/5/72	MOODY	343/702	8/29/77
4	8	0	0	3/9	1/24/89	GARAY ET AL	343/802	11/23/70
4	6	4	2	6/4	2/10/87	WOOLSEY ET AL	343/70010	1/8/87
4	2	5	9	6/7	3/31/81	GURETZKY	342/42	4/25/83
4	4	0	0	7/0	8/23/83	TANAKA	343/825	6/5/79
5	6	5	4	6/9	8/5/97	COCITA	343/790	4/13/81
4	7	8	2	3/4	11/1/88	LANDT	340/572	4/10/96
5	0	3	0	8/0	7/9/91	LANDT ET AL	343/727	7/29/86
							235/375	11/16/90

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THREIER PAUL, TECH. A-1

SCHREIER, PAUL; TECHNOLOGY REGS DICTATE MULTIPLE DECISIONS  
FOR WIRELESS LINKS; PERSONAL ENGINEERING; 2/97; pp 09-39

DATE CONSIDERED

1440	U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS RECORDS OFFICE	SHEET 9 of 9				
ACTION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		SERIAL NO. <b>101646139</b>				
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ATTY. DOCKET NO. <b>XCI-227</b>	APPLICANT <b>PAUL A. NYSEN</b>					
FILING DATE <b>08/20/03</b>	GROUP					

**FOREIGN PATENT DOCUMENTS**

OTHER DOCUMENTS (including Author, Title, Date, Parliament Pages, Etc.)

OFFICIAL DOCUMENTS (Including Author, Title, Date, Parliament Papers, Etc.)	
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